

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/076013 A2

(51) International Patent Classification⁷: **G01N 33/76**,
C07K 16/26, G01N 33/569, C07K 14/59, 16/00

(21) International Application Number:
PCT/EP2005/001160

(22) International Filing Date: 4 February 2005 (04.02.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04 290 290.8 4 February 2004 (04.02.2004) EP

(71) Applicants (*for all designated States except US*):
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE [FR/FR]; 3, rue Michel-Ange, F-75794 Paris Cedex 16 (FR). **UNIVERSITE DE PROVENCE AIX-MARSEILLE 1** [FR/FR]; 3, Place Victor Hugo, F-13003 Marseille (FR).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **RONIN, Catherine** [FR/FR]; 23, rue Lamartine, F-13960 Sausset-Les-Pins (FR). **DONADIO, Sandrine** [FR/FR]; 12, Boulevard Rougier, F-13004 Marseille (FR).

(74) Agents: **GROSSET-FOURNIER, Chantal** et al.; Grosset-Fournier & Demachy SARL, 54, rue Saint-Lazare, F-75009 Paris (FR).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR SCREENING GLYCOFORM-SPECIFIC ANTIBODIES

(57) Abstract: The present invention relates to the use of the assessment of the binding between - antibodies elicited against a first glycoprotein, and - at least one glycoform of a second glycoprotein, said second glycoprotein being itself a glycoform of the first protein, wherein said glycoform of the second glycoprotein is selected from a group of glycoforms of the second glycoprotein, each glycoform of said group corresponding to a determined glycosylation state defined by a determined sialylation state, and/or a determined branching state, and/or a determined fucosylation state, provided that said glycosylation state is not uniquely defined by a substantially unsialylated state, for the screening of glycoform specific antibodies directed against a given glycoform of the second glycoprotein.



WO 2005/076013 A2